ammonia, synthetic gasoline, methanol, etc. The oxidation of the mentioned hydrocarbons produces methyl alcohol which is the raw material for plastics, tannins, and other products. Carbon black is made by the incomplete burning of natural gases. It is used in the rubber industry for increasing the mechanical resistance of rubber products. From 1 m^3 of gas 95 g of black is obtained. Synthetic products now have mechanical properties which are better than those of natural products. The prime cost is often lower than that of present products. Nitrogen fertilizer made from natural gas is 40% cheaper than that made by the coking of coal. Artificial silk threads have a resistance to breaking which is 4.2 times that of natural silk, whereas the resistance of steel threads is only 3.68 times that of natural silk. Chassis of motorcars, the hulls of small boats, etc are now made of plastics. Prospecting for natural gas in the USSR is being developed on a big scale. In the last 5 - 6 years 75% of the present reserves of gas were discovered. In the 5th Five-Year Plan, 1,250 km of prospecting holes were drilled. In the years 1959 - 1965 the drilling of 15,000 km is planned. The regions of the Northern Caucasus and the Ukraine are especially rich in natural gas. One of the richest gas regions of the

USSR is Stavropol' from where the gas is delivered by pipeline to Moscow. In the Ukraine very productive regions are near Dashava, which supplies Kiyev, Moscow, etc, and Shebelinka, supplying Khar'kov, Dnepropetrovsk, etc. Rich deposits are also found in the Volga region. The gas of Azerbaydzhan is 94% methane. Last year, the deposits of Karadag and Kyanizadag were discovered. In the Komi ASSR, deposits have been discovered near Ukhta, Voy-Vozhsk, Dzhebol, etc. In Central Asia the rich deposit near Bukhara is being prospected. It will supply Tashkent and Samarkand by a pipeline. In Siberia deposits were discovered in the lowlands of the Ob' river near Berezovo, of the Lena-Vilyuy with one gusher having a daily output of 1 million m^3, in the Lena-Baykal region, etc. The production of by-product gases is especially high in the Volga region. Every ton of oil produced in Bashkiria and the Volga region contains 100 - 200 m^3 of by-product gas. In 1958, in the oil fields of the USSR alone, 9 billion m^3 of by-product gases will be produced. These gases are often burned or escape into the atmosphere. Gas reservoirs or devices for catching the gas are lacking. Many cities have no urban gas pipelines to use the natural gas. Voronezh was connected with a branch of the gas pipe-

line Stavropol' - Moscow but could make use of the gas only half a year later because there were no pipelines within the city. A plant for the processing of these gases is being built near the Stalingrad refinery. The USSR is in the use of these gases and the products made from them, behind several other countries. In the production of artificial fibers, the USSR occupies 6th place, and in the production of plastics, 5th. By the end of 1965, it is planned to increase the production of synthetic fibers 4.6 times, plastics and synthetic resins 8 times, synthetic rubber 3.4 times, over 1957 figures. The network of gas pipelines is to be united and new pipelines are to be built.
There are 6 photos and 1 map.

1. Natural gas--Applications 2. Natural gas--Production 3. Gases --Sources 4. Gases--Applications 5. Waste gases--Disposal

S/075/61/016/001/016/019
B013/B055

AUTHORS: Lebedeva, A. I., Fedorova, Ye. F.

TITLE: Microanalysis of Organic Mercury Compounds. Report I. Analysis for Carbon, Hydrogen, and Mercury in Organic Compounds Containing no Halogen

PERIODICAL: Zhurnal analiticheskoy khimii, 1961, Vol. 16, No. 1, pp. 87-90

TEXT: In the present work a method was developed for the elemental microanalysis of organic mercury compounds avoiding the use of gold. The product obtained by thermal decomposition of $AgMnO_4$ according to Körbl (Ref. 8) was used as absorbent for mercury. A quartz combustion tube (Fig.) was used for the determination of carbon and hydrogen. The first series of tests was made in a stream of oxygen, in the presence of platinum catalyst and with the Körbl catalyst heated to 110°C (Table 1). Further experiments showed that the combustion of organic mercury compounds also proceeds satisfactorily without platinum catalyst and with the silver catalyst

Card 1/3

heated to only 60°C (Table 2). In this case, too, results for hydrogen were a little high, though less pronouncedly than when the silver layer was heated higher. When the silver was not heated at all, the values for hydrogen were too low. The constant occurrence of a positive error in the hydrogen determinations is probably due to the carrying of small quantities of mercury into the anhydrone absorbent (Ref. 9). The Körbl catalyst has the advantages of being easily accessible and usable for long periods without having to be regenerated or exchanged. With samples containing ~50% mercury, 100 to 120 determinations can be carried out before exchange becomes necessary. Mercury was determined from a separate weighed portion of the organic substance by combustion in a flask filled with oxygen and by dissolving the mercury and mercury oxides in boiling nitric acid (Ref. 10), the mercury then being determined volumetrically, after correspondingly pretreating the solution, by titration with ammonium rhodanide in the presence of ferrous ammonium alum as indicator (Table 3). As may be seen from the results, this method of determining mercury by combustion according to Schöniger and subsequent titration is

Microanalysis of Organic Mercury Compounds. Report I. Analysis for Carbon, Hydrogen, and Mercury in Organic Compounds Containing no Halogen

S/075/61/016/001/016/019
B013/B055

fairly precise (±0.5% error), rapid, and the equipment is simple. It can be applied for determination of mercury in organic mercury compounds in the absence of chloride or bromide. There are 1 figure, 3 tables, and 17 references: 9 Soviet, 1 German, 1 US, 1 Czechoslovakian, and 5 Austrian.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy, Leningrad
(Institute of High-molecular Compounds, Leningrad)

SUBMITTED: December 10, 1959

Card 3/3

NOVIKOV, N.A.; TEL'NOVA, V.M.; GENTS, I.P.; FEDOROVA, Ye.F.

Boxes for the transportation of artificial silk. Standartizatsiia 25 no.2:48-49 F '61. (MIRA 14:3)
(Boxes—Standards)

DOLGOPOLOV, Konstantin Vasil'yevich; SOKOLOV, Aleksey Vasil'yevich; FEDOROVA, Yevgeniya Fedorovna; SKOBNIKOV, M.L., retsenzent; TYLKINA, M.A., st. nauchn. sotr., retsenzent; FREYKIN, Z.G., st. nauchn. sotr., retsenzent; RODIONOVA, F.A., red.; PASHCHENKO, O.V., red. kart; KARPOVA, T.V., tekhn. red.

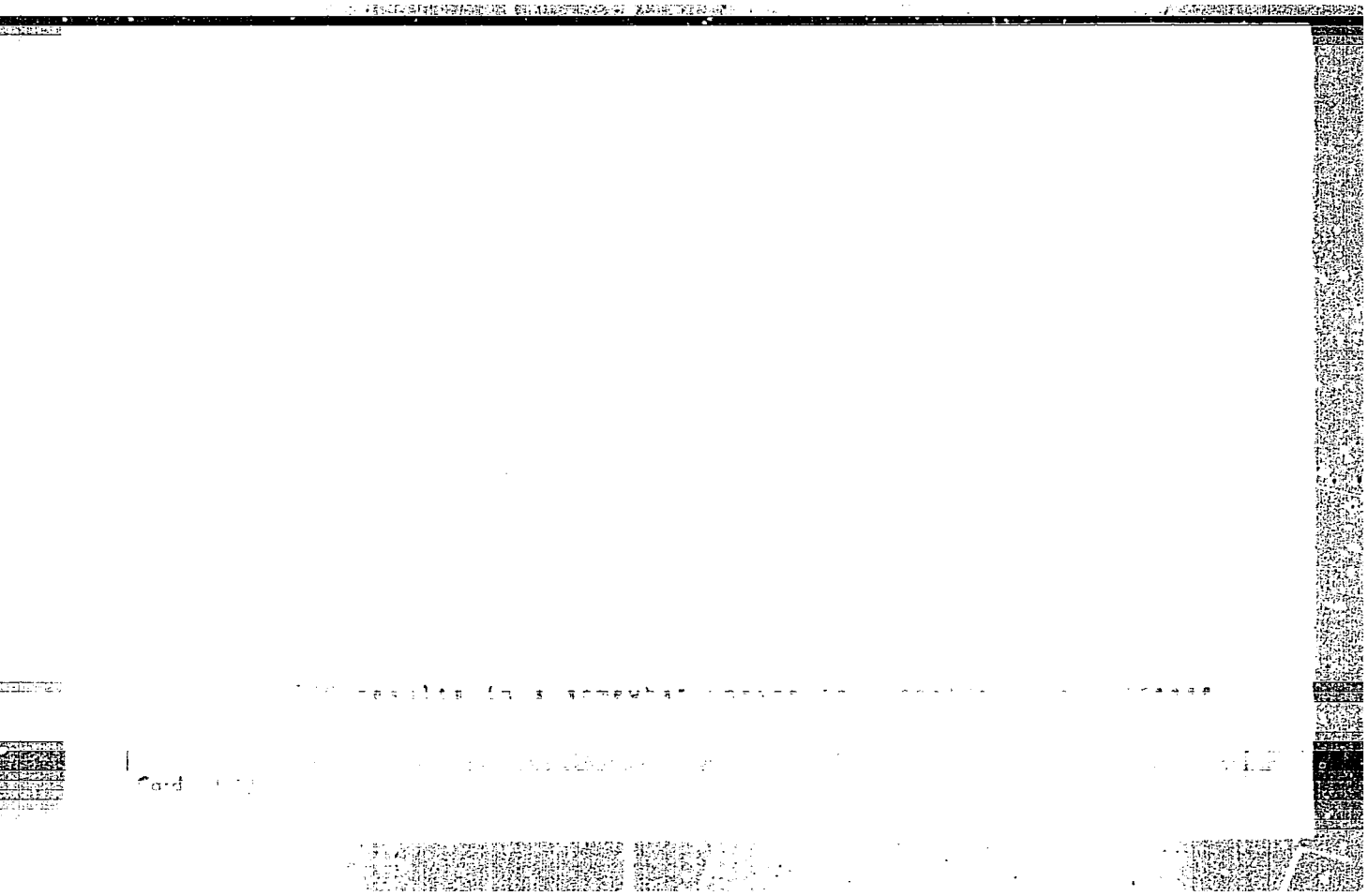
[Iron ores of the U.S.S.R.] Zheleznye rudy SSSR; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 157 p. (MIRA 17:2)

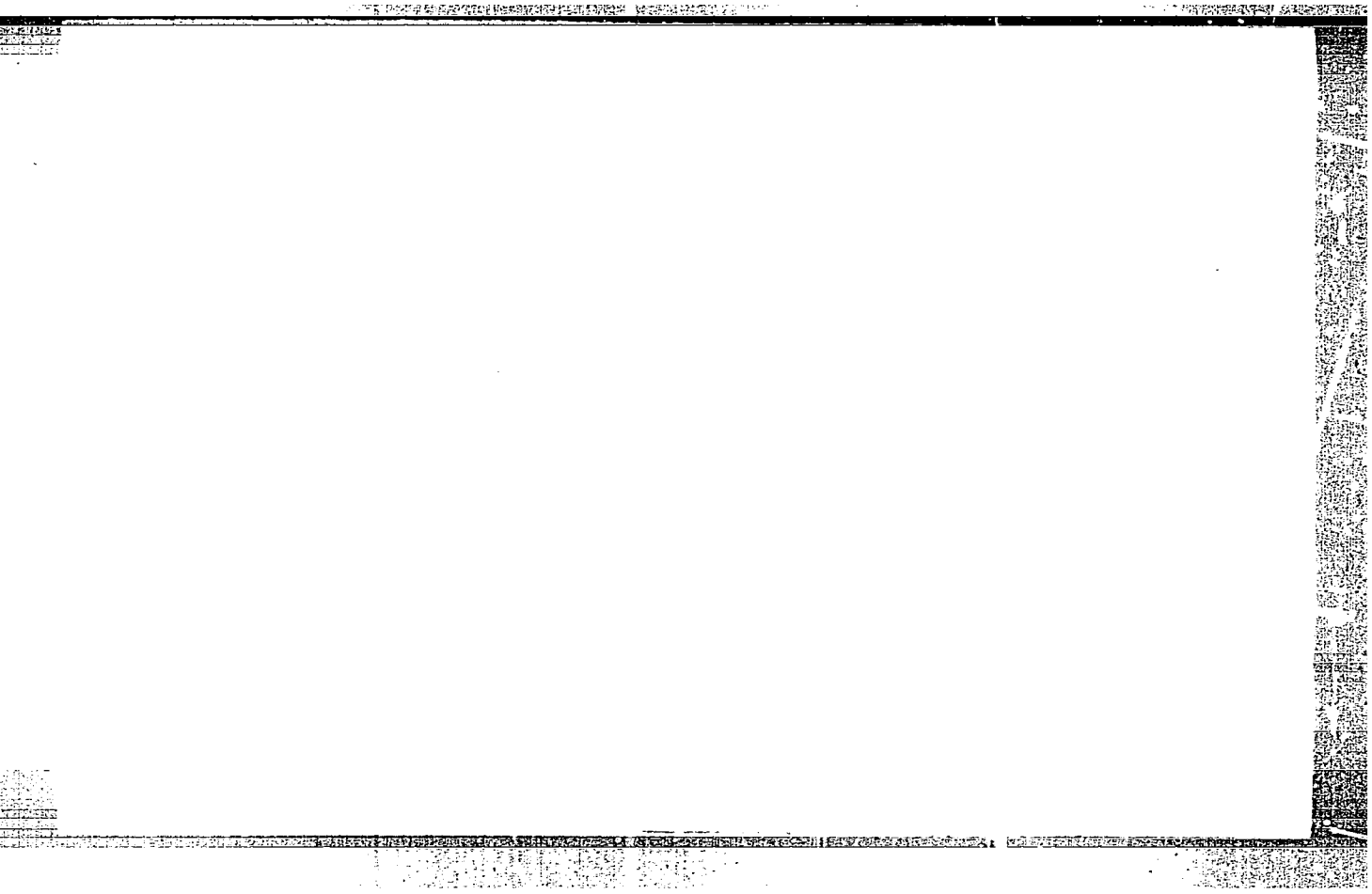
1. Glavnyy spetsialist Gosplana SSSR (for Skobnikov).
2. Institut chernoy metallurgii imeni Baykova (for Tylkina).
3. Institut geografii AN SSSR (for Freykin).

POKROVSKIY, Ye.I.; FEDOROVA, Ye.F.

Quantitative determination of the stereoregularity of polystyrene by means of infrared spectroscopy. Vysokom. soed. 6 no.4:647-651 Ap '64. (MIRA 17:6)

1. Institut vysokomolekylyarnykh soyedineniy AN SSSR.





USSR/Scientists - Economic geography

Card 1/1 Pub. 45 - 11/15

Authors : Alampiev, P. M.; Belyayev, A. I.; Buyanovskiy, M. S.; Grechka, P. V.; Dolgopolov, K. V.; Znamenskiy, M. A.; and Fedorova, E. F.

Title : Vladimir Ivanovich Labrov

Periodical : Izv. AN SSSR. Ser. geog. 5, 86 - 87, Sep - Oct 1954

Abstract : In noting the death of Vladimir Ivanovich Lavrov (1886 - 1954), the life history and work of this outstanding teacher of economic geography is recalled. Lavrov did some research work but he is most noted for his training of young teachers and for his lectures.

Institution : .....

Submitted: : .....

USSR/Scientists - Economic geography

Card 1/1 Pub. 45 - 12/15

Authors : Buyanovskiy, M. S.; Dolgopolov, K. V.; Dumitrashko, N. V.; Kamanin, L. G.; Kravchenko, D. V.; Meyerson, E. I.; Odud, A. L.; Pomus, M. I.; Rostovtsev, M. I.; Ryazantsev, S. N.; Fedorova, Ye. F.; and others.

Title : Pavel Georgiyevich Ozhevskiy

Periodical : Izv. AN SSSR. Ser. geog. 5, 88 - 89, Sep - Oct 1954

Abstract : In noting the recent death of Pavel Georgiyevich Ozhevskiy the life history and work of this specialist in economic geography is recalled. Ozhevskiy was the oldest collaborator of the Geographic Institute of the Academy of Sciences of the USSR. He devoted himself mostly to the economic aspects of geography

Institution : .....

Submitted: : .....

FEDOROVA, Ye.F.

AUTHOR: None Given 30-58-4-33/44

TITLE: Dissertations (Dissertatsii).
Branch of Geological-Geographical Sciences
(Otdeleniye geologo-geograficheskikh nauk).
July-December 1957 (Iyul'-Dekabr' 1957 g.)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, [illegible], Nr 4,
pp. 118-119 (USSR)

ABSTRACT: 1) At the Institute for Geography (Institut geografii) the following dissertations for the degree of a Candidate of Geographical Sciences were defended:

V. A. Aref'yeva - Limans of the Caspian Low Grounds, Their Water Regime and Their Importance for Agriculture. (Limany Prikaspiyskoy nizmehnosti, ikh vodnyy rezhim i znacheniye v sel'skom khozyaystve).

L. M. Byushgens - Analysis and Critical Review of Foreign General Geographical Maps as Material for Compilation. (Analiz i otsenka inostrannykh obshchegeograficheskikh kart kak materialov dlya sostavleniya).

Card 1/4

Dissertations. Branch of Geological-Geographical Sciences. July-December 1957 30-58-4-33/44

A. A. Velichko - Paleography of the Upper Paleolithic Age of the Bed of the Middle Course of the Desna River. (Paleografiya epokhi verkhnego paleolita basseyna sredney Desny).

Ye. F. Fedorova - The Kuybyshev Region/Economic-Geographic Characterization. (Kuybyshevskaya oblast' / ekonomiko-geograficheskaya kharakteristika/).

2) At the Institute for the Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry (Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii) the following dissertations were defended:

a) for the degree of a Doctor of Geological-Mineralogical Sciences:

A. A. Beus - Characteristic Features of the Beryllium Geochemistry and Genetic Types of Beryllium Deposits. (Osnovnyye cherty geokhimii berilliya i geneticheskiye tipy berilliyevykh mestorozhdeniy).

Card 2/4

b) for the degree of a Candidate of Geological-Mineralogical Sciences:

N. Ye. Galdin - Pecularities in the Structure of the Deposit of Belousovsk in the Altai (Strukturnyye osobennosti Belousovskogo mestorozhdeniya Altaya).

P. P. Smolin - Contact Processes of the Post-Jurassic Intrusions of the Aldan (Kontaktnyye protsessy posleyurskikh intruziy Aldana).

3) At the Geological Institute (Geologicheskiy institut) the following dissertations for the degree of a Doctor of Geological-Mineralogical Sciences were defended:

A. T. Aslanyan - Regional Geology of Armenia (Regional'naya geologiya Armenii).

B. M. Gimmel'farb - Essential Regularities of the Phosphorite Deposits of the USSR and Their Genetic Classification. (Osnovnyye zakonomernosti fosforitnykh mestorozhdeniy SSSR i ikh geneticheskaya klassifikatsiya).

Dissertations, Branch of Geological-Geographical Sciences. July-December 1957 30-58-4-33/44

I. V. Luchitskiy - Volcanism and Tectonics of the Devonian Depressions of the Minusinsk Bending of the Intermediate Mountains. (Vulkanizm i tektonika devonskikh vpadin Minusinskogo mezhgornogo progiba).

D. I. Pogulyayev - Geological Structure and Mineral Resources of the Smolensk Region. (Geologicheskoye stroyeniye i poleznyye iskopayemyye Smolenskoy oblasti).

4) At the Institute of Oceanology (Institut okeanologii) the following dissertations for the degree of a Candidate of Geographical Sciences were defended:

Ye. G. Arkhipova - Thermal Regime of the Caspian Sea. (Termicheskiy rezhim Kaspiyskogo morya).

V. G. Ul'st - Morphology and Developmental History of the Field of Marine Accumulation in the Summit of the Gulf of Riga. (Morfologiya i istoriya razvitiya oblasti morskoy akkumulyatsii v vershine Rizhskogo zaliva).

1. Geology—Bibliography 2. Bibliography—Geology

Card 4/4

FEDOROVA, YE. F., Cand Geog Sci -- (diss) "Kuybyshev Oblast'", Moscow, 1957, 21 pp (Academy of Sciences USSR. Institute of Geography), 110 copies (KL, 36-57, 104)

FEDOROVA, Ye.F.

Some problems in the economic development of Kuybyshev Province. Izv. AN SSSR. Ser. geog. no.1:114-121 Ja-F '57. (MLRA 10:4)

1. Institut geografii AN SSSR.
(Kuybyshev Province--Economic conditions)

DOLGOPOLOV, K.V.; FEDOROVA, Ye.F.

Development of the Volga Valley's productive forces in the sixth five-year plan. Izv. AN SSSR Ser. geog. no.2:80-93 Mr-Ap '57. (MIRA 10:12)

1. Institut geografii AN SSSR.
(Volga Valley--Economic policy)

FEDOROVA, YE.F.

AUTHORS: Dolgopolov, K.V.
Fedorova, Ye.F.

26-10-8/44

TITLE: On the Banks of the Great Russian River (Na beregakh velikoy Russkoy reki)

PERIODICAL: Priroda, October 1957, No 10, pp 63-72 (USSR)

ABSTRACT: The Volga river flows through the major part of the European USSR. The region along the Volga was formerly only known as Russia's traditional granary. During the Communist regime it has become an important agricultural center and is now one of the largest producers of grain and meat. This was achieved by systematic cultivation of the entire black soil area and by putting under cultivation vast regions of virgin soil. The Volga region is now also known for its metal industry, especially concentrating on the production of combine harvesters, cars, tractors, oil drilling equipment and cranes. It produces more than 7% of the entire output of the Soviet machine-building industry. Since the water power resources of the Volga are estimated at 8 million kw, the importance of the river is growing with every new electric power station. The one at Kuybyshev is nearing completion by the end of 1957 and will yield 2,100,000 kw. The Stalingrad power station

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will be completed in 1958 and is expected to produce 2,310,000 kw. The Volga river area is very rich in crude oil, oil shale and fuel gas deposits, common and magnesia salts, native sulfur and bitumen. The richest oil deposits are located in the eastern part of the Tartar ASSR and in the Kuybyshev area. During the sixth five-year plan period, the Volga region is expected to develop the largest oil producing industry in the USSR.
The article contains 9 photos and 2 schematic maps.

ASSOCIATION: Institute of Geography of the USSR Academy of Sciences (Institut geografii AN SSSR) Moscow

AVAILABLE: Library of Congress

FEDOROVA, Ye. F.

L 44169-65 EPF(c)/EWP(j)/EWA(c)/EWT(m) Pe-4/Pr-4 RM
ACCESSION NR: AP5005599 S/0190/65/007/002/0305/0307

AUTHORS: Adrova, N. A.; Koton, M. M.; Dubnova, A. M.; Moskvina, Ye. M.; Pokrovskiy, Ye. I.; Fedorova, Ye. F.

TITLE: Synthesis and properties of polybenzimidazoles containing aliphatic units in the main chain

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 2, 1965, 305-307

TOPIC TAGS: polymer, polybenzimidazole, polymer synthesis, polymer property, polycondensation

ABSTRACT: A number of polyalkylene dibenzimidazoles were synthesized by polycondensation of 3.3-diaminobenzidine with the phenyl esters of a number of aliphatic dicarboxylic acids. Equimolar mixtures of the reactants were heated in an argon flow for 2-3 hours at 250-270C and in a vacuum for an additional 0.5-1 hours (0.03 mm at 270C). The characteristic viscosity of the products was determined in 0.1-0.2% N solutions of formic acid, and the heat stability was determined by heating for one hour each at 300, 400 and 500C in air. The polycondensation occurs according to the reaction

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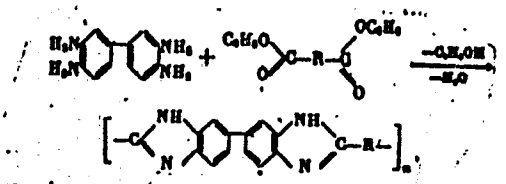
L 44169-65

ACCESSION NR: AP5005599



R = $(CH_2)_a$ a = 0, 1, 2, 3, 4, & C_6H_4.

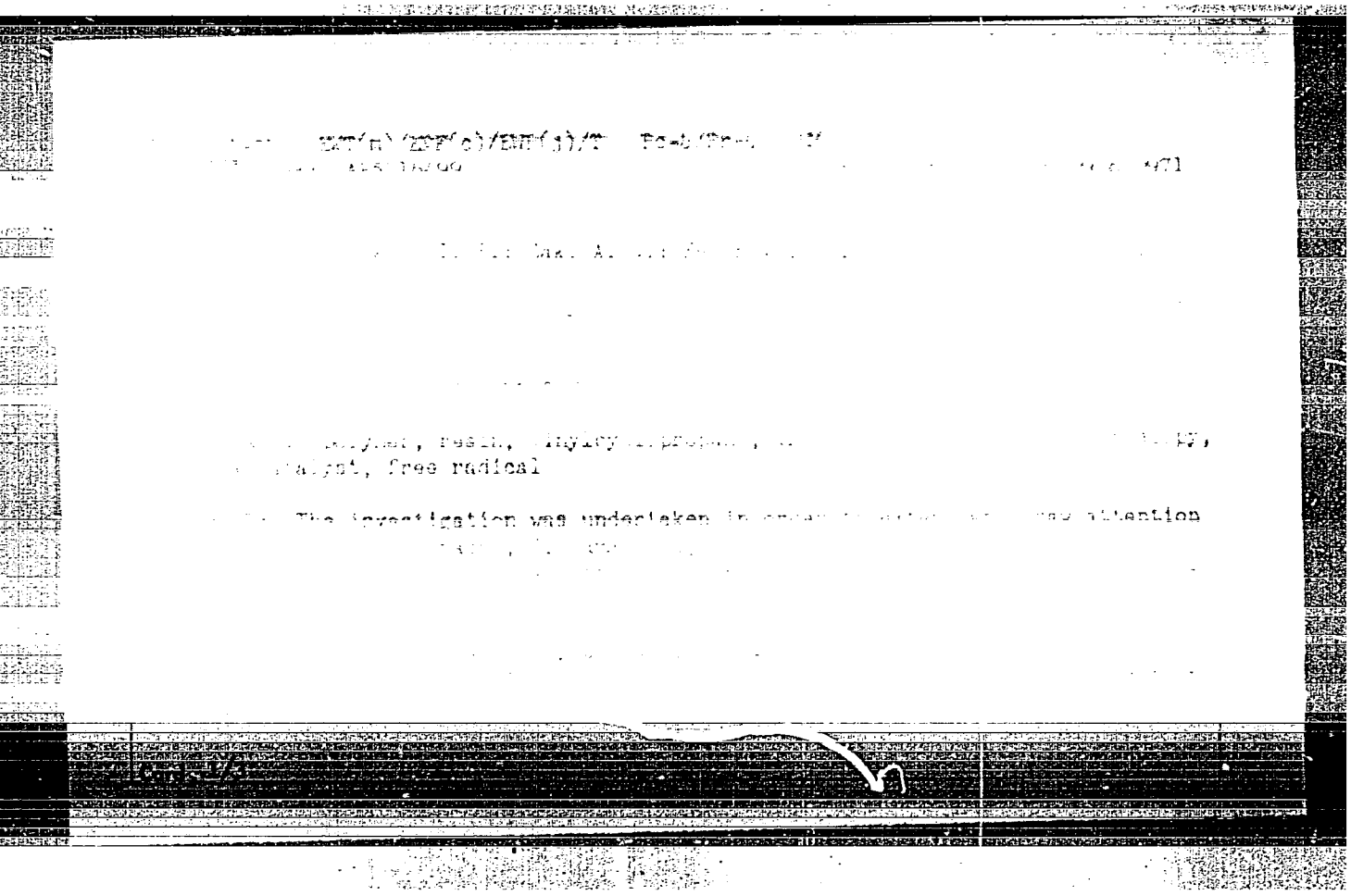
yielding a yellowish-brown powder, soluble in formic acid and thermally stable in air and nitrogen. Polymers based on the following dicarboxyl acids were obtained: oxalic, malonic, succinic, glutaric, adipic and sebacic. Their characteristic viscosities were 0.3, 0.3, 1.2, 2.15, 3.3, and 1.5-13.0 respectively. Their weight loss at 500C was 98.5, 66.34, 71.38, 81.10, 73.94, 56.8, and 23.1% respectively. Orig. art. has: 1 figure and 1 table.

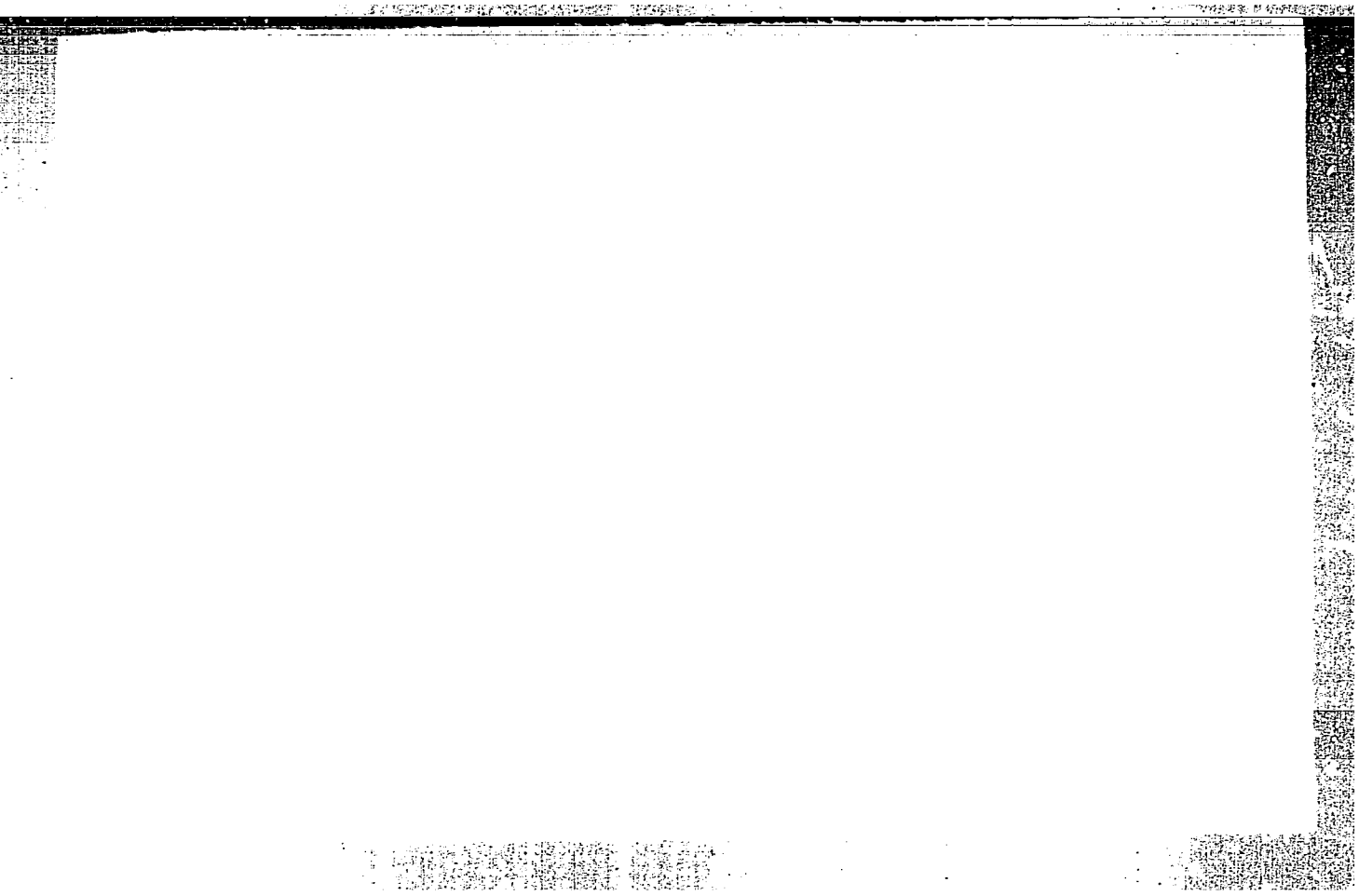
ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy, AN SSSR (Institute of High Molecular Weight Compounds, AN SSSR)

SUBMITTED: 25Apr64 ENCL: 00 SUB CODE: OC

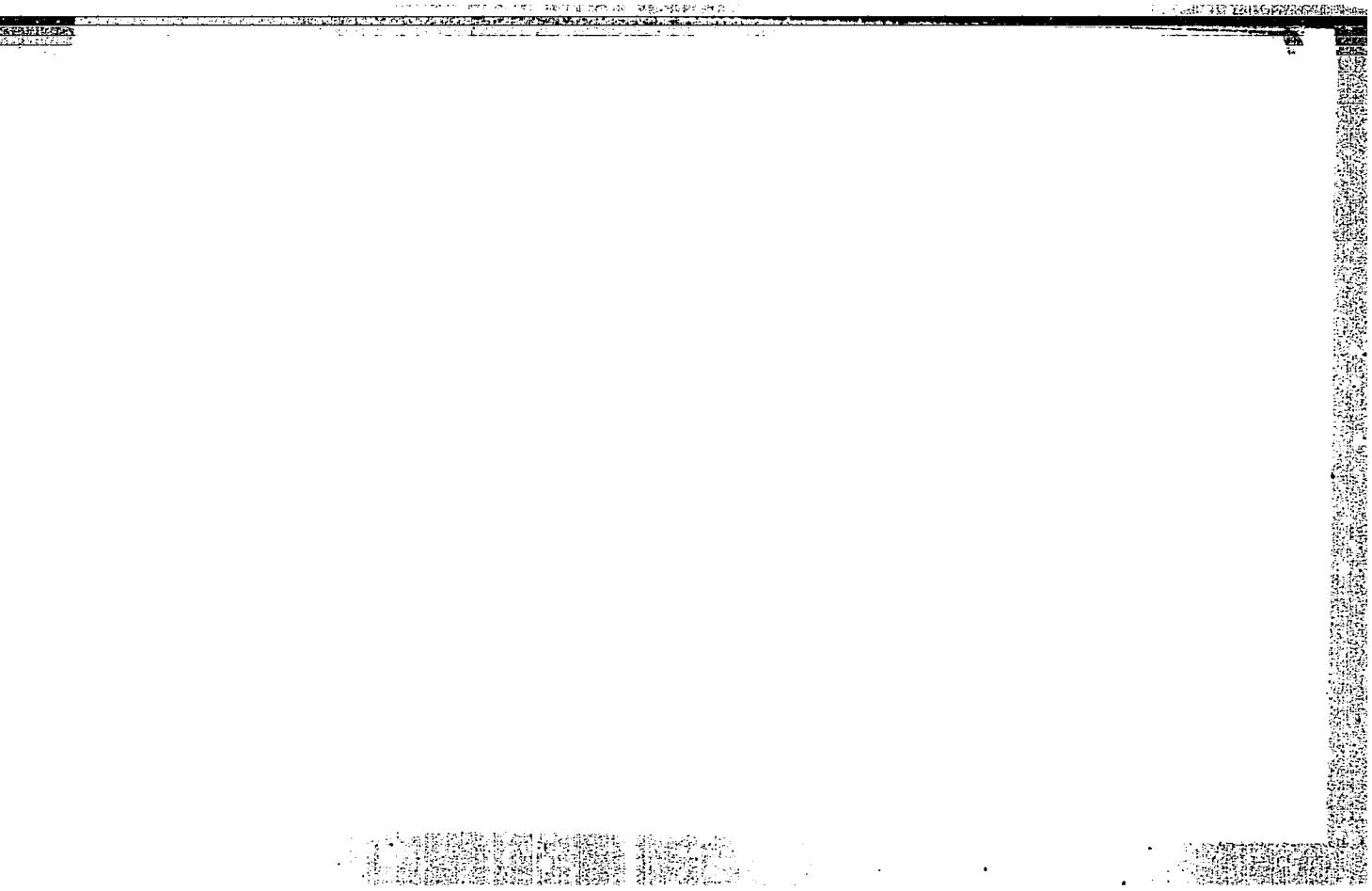
NO REF SOV: 001 OTHER: 002

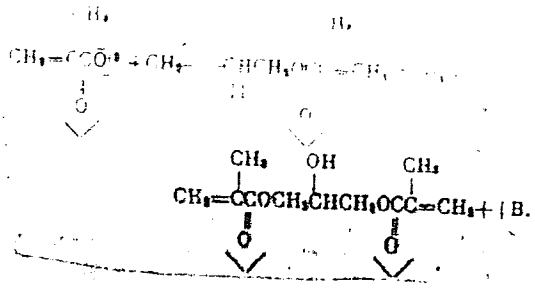
Card 2/2



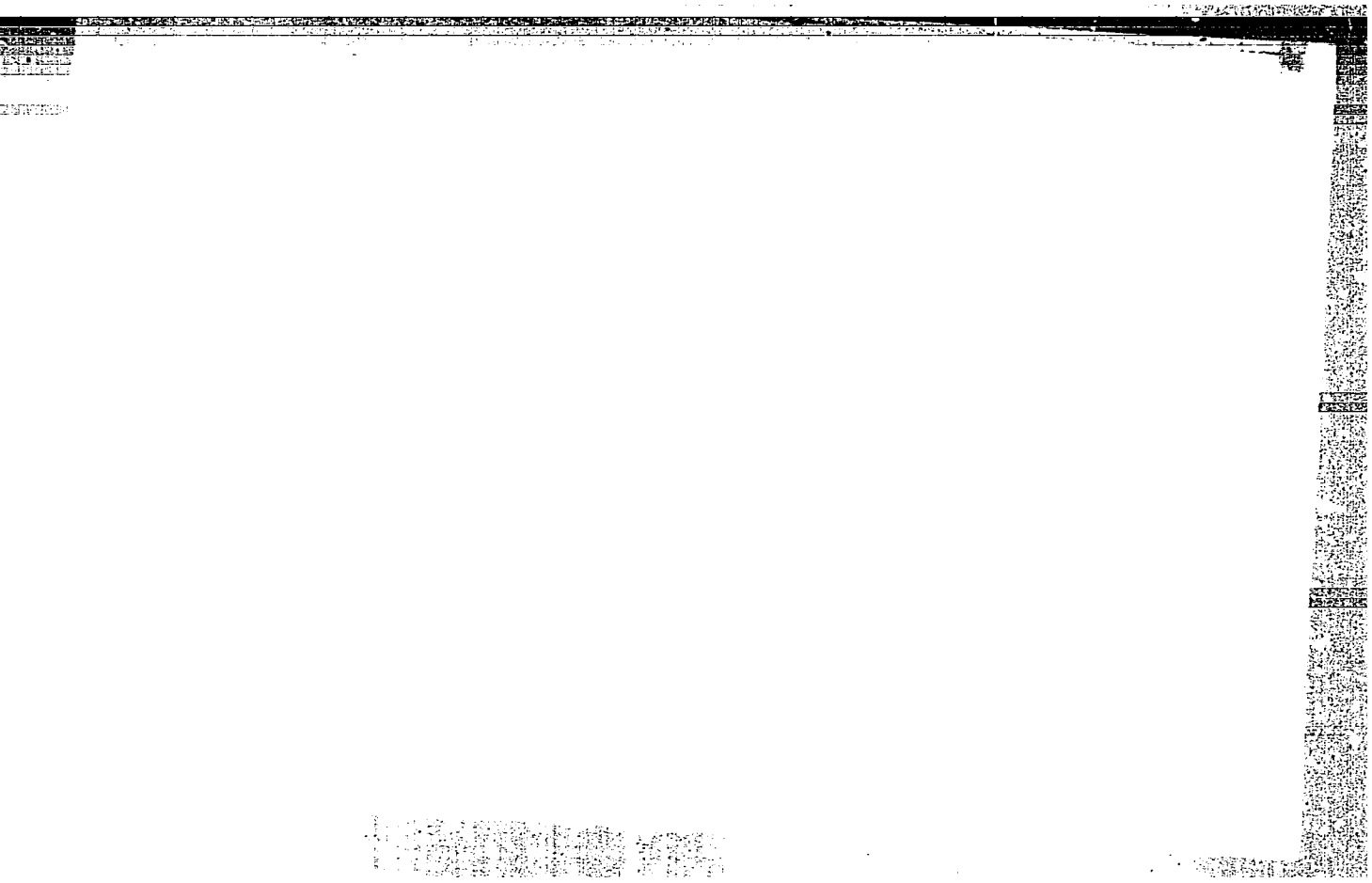


APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271(





The structure of the cross-linking bridge was determined by IR spectroscopy of the copolymer of glycidyl methacrylate and



NOVIKOV, N.A.; FEDOROVA, Ye.F.

Determining the density of thread winding on bobbins. Standartizatsiia 24 no.11:27-28 N '60. (MIRA 13:11)
(Bobbins (Textile machinery))

KOVAL', G.A.; PAVLENKO, N.I.; FEDOROVA, Ye.G.

Prospects for using plastics in building mining machinery. Sbor. nauch. trud. KGRI no.13:77-85 '62. (MIRA 16:8)

(Mining machinery--Equipment and supplies)
(Plastics--Testing)

KOVAL', G.A.; FEDOROVA, Ye. G.

Laboratory tests of parts made of capron. Sbor. nauch. trud. KGRI no.19:3-7 '62. (MIRA 16:5)

(Mining machinery--Testing) (Nylon)
(Metallurgical plants--Equipment and supplies)

KOVAL', G.A.; FEDOROVA, Ye.G.

Improving a die casting apparatus and designing a unit for testing parts made of plastics. Sbor. nauch. trud. KGRI no.19:7-11 '62.
(MIRA 16:5)

(Die casting)
(Mining machinery--Testing)
(Nylon)

KOVAL', G.A.; PAVLENKO, N.I.; FEDOROVA, Ye.G.

Industrial tests of parts of mining and metallurgical machinery made of capron. Sbor. nauch. trud. KGRI no.19:43-46 '62.
(MIRA 16:5)

(Mining machinery—Testing)
(Metallurgical plants—Equipment and supplies)
(Nylon)

FEDOROVA, Ye.P.; POLYANTSEVA, A.I.; RAYEVA, K.S.; BITKOVA, S.I.

Occurrence of myocardial infarct among the population of one of the Moscow districts. Sov.med. 26 no.1:12-17 Ja '63. (MIRA 16:4)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) AMN SSSR.
(MOSCOW—HEART—INFARCTION)

FEDOROVA, Ye.I., otv. za vypusk

[Schedule of suburban trains; Moscow-Noginsk-Petushki, Moscow-Kursk-Donets Basin Railroad; summer 1959] Raspisanie dvizheniia prigorodnykh poezdov Moskva-Noginsk-Petushki M.-K.-Donbasskoi zh.d.; leto 1959 g. Moskva, Transzheldorizdat, 1959. 85 p. (MIRA 12:8)
(Moscow region--Railroads--Timetables)

KUZ'MICHEV, V.Ya.; FEDOROVA, Ye.I.

Materials on the epidemiology and helminthism among the population of central Kazakhstan. Izv.AN Kazakh.SSR. Ser.fiziol. i med. no.7: 85-98 '56. (MLRA 9:10)

(KAZAKHSTAN—WORMS, INTESTINAL AND PARASITIC)

KUZ'MICHEV, V.Ya.; FEDOROVA, Ye.I.

Possibility of the development of occupational helminthism in mines in Dzhezkazgan. Izv. AN Kazakh.SSR. Ser.fiziol. i med. no.7:112-115 '56. (MLRA 9:10)

(DZHEZKAZGAN--WORMS, INTESTINAL AND PARASITIC)
(MINE SANITATION)

USSR / Soil Science. Cultivation. Melioration, Erosion. J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95782.

Author : Fedoreva, Yu. I.
Inst : Not given.
Title : On Solonetz Phenomena in Soils of the Golodnaya Steppe.

Orig Pub: Materialy po proizvodit. silam Uzbekistana, 1957, vyp. 6, 119-123.

Abstract: In the second upper river terrace of the Syr-Darya River in the Golodnaya steppe, solonetz soils are widespread which contain up to 41.5% absorption capacity of their absorbed N. During subsequent water extracts, the soils drop their high sodium alkalinity. Results are cited of analyses of water extracts; changes are given of soil

Card 1/2

USSR / Soil Science. Cultivation. Melioration, Erosion. J

Abs Jour: Ref Zhur-Biol., No 21, 1956, 95782.

Abstract: filtration during its treatment with $CaCl_2$.
Soils are assimilated by means of cultivation of lucerne. Cotton is developed normally after plowing 6-7 year lucerne. -- V. S. Muratova.

Card 2/2

FEDOROVA, Ye.I.

Unit for heating plastics by contact. Biul.tekh.-ekon.inform.Gos. nauch.-issl.inst.nauch.i tekh.inform. no.9:23 '63.

Polishing plastic parts in a drum. 29-30 (MIRA 16:10)

ACC NR: AR7000871 SOURCE CODE: UR/0058/66/000/009/E072/E073

AUTHOR: Kolomiyets, B. T.; Lyubin, V. M.; Mostovskiy, A. A.; Fedorova, Ye. I.

TITLE: Electric and photoelectric properties of some high-impedance semiconductor layers

SOURCE: Ref. zh. Fizika, Abs. 9E596

REF SOURCE: Sb. Elektrofotogr. i magnitografiya, Vil'nyus, 1965, 36-47

TOPIC TAGS: semiconducting material, photoelectric effect, photoconductivity vaporization, high impedance semiconductor layer, semiconductor, amorphous semiconductor

ABSTRACT: The results are presented of investigations of conductivity and photoconductivity of a large group of high-impedance photoconductors obtained in the form of thin layers by vaporization in vacuum. Layers of As_2S_3, As_2Se_3, GeS, As_2Se_3 and Sb_2Se_3, and an amorphous layer of Se, and Se with S and As additions, PbO, phtalocyanine without metal, and a number of ternary semiconductor materials ($AsSbS_3$, $AsSbSe_3$, $mAs_2S_3 \cdot nAs_2Se_3$, $Sb_2S_3 \cdot Sb_2Se_3$,

Card 1/2

ACC NR: AR7000871

$mSb_2S_3 \cdot nBi_2S_3$, GeS · Sb_2S_3, and GeSe · As_2Se_3) were investigated. Most of the layers have an amorphous structure. The sign of current carriers, the volt-ampere, lux-ampere, and spectral characteristics, photoelectric effect kinetics, dependence of dark current and photocurrent on temperature, the spectral dependence of the light-absorption coefficient, and the characteristics of discharge processes in layers charged by an electron beam or ions from a corona discharge, were investigated. Also, the main characteristics of the "porous" layers of numerous materials prepared by vaporization in an N_2 atmosphere were studied. The discussion of the experimental results is based on the concept of strengthening the phenomenon of trapping of current carriers in amorphous semiconductors.
V. Lyubin. [Translation of abstract] [DW]

SUB CODE: 20/

Card 2/2

TSIKINOVSKAYA, S.L.; DEMIDOV, Yu.N.; FEDOROVA, Ye.M.

Potentialities for reducing the cost of cast iron. Stal' 23 no.10:942-944 O '63. (MIRA 16:11)

FEDOROVA, Ye. M.

Improving the indices of labor productivity in the coal industry.
Vest. AN Kazakh. SSR 20 no.6:47-54 Je '64 (MIRA 18:1)

FEDOROVA, Ye. M.

Analysis of the condition of the cardiovascular system in elderly patients with fractures of the upper and lower extremities. Ortop., travm. i protez. no.12:49 '61. (MIRA 15:2)

(CARDIOVASCULAR SYSTEM)
(EXTREMITIES(ANATOMY)—FRACTURES)

FEDOROVA, Ye.M.

State of the cardiovascular system in elderly patients following fracture of the hip and leg bones. Sov.Med. 27 no.7: 39-41 Jl'63. (MIRA 16:9)

1. Iz TSentral'nogo instituta travmatologii i ortopedii (dir. doktor meditsinskikh nauk M.V.Volkov)Ministerstva zdravookhraneniya SSSR.
(GERIATRICS) CARDIOVASCULAR SYSTEM) (BONES—FRACTURE)

FEDOROVA, Yevdokiya Nikolayevna; MAMONTOVA, O.K., red.; PLATOVA, G.M., tekhn.red.

[Aid to people building their own houses] V pomoshch' individual'nomu zastroishchiku. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1960. 83 p.

(MIRA 14:2)

(Building)

FEDOROVA, Ye.N.

When everyone helps. Zdorov'e 7 no.7:23 Jl '61. (MIRA 14:6)
(INFANTS—CARE AND HYGIENE)

FEDOROVA, Ye. N.

"Method for Studying Solutions," Khim. v Shkole, No.3, 1952

FEDOROVA, Ye.N. (gorod Leningrad).

Determination of basic chemical concepts. Khim.v shkole no.6:66-68 N-D '53. (MLRA 6:11)

(Chemistry--Study and teaching)

FEDOROVA, E. N.

USSR/Chemistry - Spectral Analysis

Card 1/1

Authors : Avgustinik, A. I., Setkina, O. N., and Fedorova, E. N.

Title : Analysis of the Thin Structure of a Porcelain Glass by Studying its Reflection and Absorption Spectra in Spectral Infrared Medium.

Periodical : Zhur. Fiz. Khim. Vol. 28, Ed. 4, 637-642, Apr 1954

Abstract : An analysis of hardness and the thin structure of porcelain glass by studying its infrared spectrum, is described. It was found that by adding certain chemical compounds to the glass, one can either increase or decrease the various physical characteristics of the glass. Six references; tables; graphs.

Institution : Lensovet's Technological Institute, Leningrad.

Submitted : June 6, 1953

FEDOROVA, YE. N.

FEDOROVA, YE. N.- "Method of Forming the Concept of Solution in the Chemistry Course of Middle Schools." Leningrad State Pedagogical Inst imeni A. I. Gertsen, Chair of Methods of Teaching Chemistry, Leningrad, 1955 (Dissertations for the Degree of Candidate of Pedagogical Sciences)

SO

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

FEDOROVA, Ye.N. (g. Leningrad).

Methodology for the study of solution concentration in the 7th class. Khim. v shkole 10 no.1:25-31 Ja-F '55. (MIRA 8:4)
(Solution (Chemistry))

FEDOROVA, Yelizaveta Nikolayevna; ROSTOVTSEVA, V.I., red.; SHAPOSHNIKOVA, A.A., red.; TARASOVA, V.V., tekhn.red.

[Methods of studying solutions in secondary schools] Metodika izucheniia rastvorov v srednei shkole. Pod red. V.I.Rostovtsevoi. Moskva, Izd-vo Akad. pedagog.nauk RSFSR, 1957. 22 p. (MIRA 10:12)
(Solution (Chemistry))

FEDOROVA, Ye.N. (Leningrad); SHILLING, V.V. (Leningrad)

Causes of typical errors in chemistry made by secondary school students. Khim.v shkole 18 no.2:26-35 Mr-Ap '63. (MIRA 16:4)
(Chemistry—Study and teaching)

FEDOROVA, Ye.O., kandidat fiziko-matematicheskikh nauk

Method for determining the characteristic curve of light scattering by large particles of arbitrary shape. Svetotekhnika 1 no.4:17-19 Ag '55. (MLRA 8:9)

1. Gosudarstvennyy opticheskiy institut
(Light--Scattering)

FEDOROVA, Ye.O.; KHOKHLOV, M.I., insh., red.; MOROZOVA, P.N., izdatel'skiy red.; ROZHIN, V.P., tekhn. red.

[Indicatrices of light scattered by large transparent particles of spherical and radiken forms] Indikatrisy rasseianiia sveta krupnymi prozrachnymi chastitsami sfericheskoi i prolavol'noi formy. Moskva, gos. izd-vo obor. promyshl. 1957. 68 p. (Leningrad. Gosudarstvennyi Opticheskii Institut. Trudy, no.151). (MIRA 11:6)
(Light—Scattering)

GERSHUN, Andrey Aleksandrovich; VOLKENSHTEYN, A.A.; GUREVICH, M.M.; LAZAREV, D.N.; FEDOROVA, Ye.O.; ORLOVA, L.I., red.; POL'SKAYA, P.G., tekhn. red.

[Selected papers on photometry and illuminating engineering] Izbrannye trudy po fotometrii i svetotekhnike. Moskva, Gos. izd-vo fiziko-matematicheskoi lit-ry, 1958. 548 p. (MIRA 11:9)
(Photometry (Lighting)

POPOV, O.I.; FEDOROVA, Ye.O.; SHOLOKHOVA, Ye.D.

Transparency measurement of the lower atmosphere in the ultraviolet and visible regions of the spectrum. Izv. AN SSR. Ser. geofiz. no. 3:478-486 Mr '61. (MIRA 14:2)

1. Opticheskiy institut im.S.I. Vavilova.
(Atmospheric transparency)

KOZLOV, D.P.; FEDOROVA, Ye.O.

Effect of the resolving power of a spectrometer on the accuracy of measuring the integral transmission. Opt.i spektr. 10 no.5:663-666 My '61. (MIRA 14:8)

(Spectrometer)

KOZLOV, V.P.; FEDOROVA, Ye.O.

Spatial brightness distribution of clouds of the lower layer.
Izv. AN SSSR. Ser. geofiz. no.7:971-973 Jl '62. (MIRA 15:7)

1. Opticheskiy institut imeni S.I.Vavilova.
(Clouds)

SHOLOKHOVA, Ye.D.; FEDOROVA, Ye.O.

Measurement of scattered sky radiation in a field of 1 to 3.5 microns at altitudes of 15 to 17 km. Izv. AN SSSR. Ser. geofiz. no.11:1671-1672 N '62. (MIRA 15:11)

1. Gosudarstvennyy opticheskiy institut im. S.I. Vavilova.
(Tashkent region--Solar radiation--Spectra)

POPOV, O. I.; FEDOROVA, Ye. O.

"Some data on the emission spectra of the atmosphere in the region between 2 and 6 microns."

report presented at the Atmospheric Radiation, Leningrad, 5-12 Aug 64.

L 16328-65 EWT(1)/FCC GW

ACCESSION NR. AP5006442 S/0051/65/018/003/0512/0514

AUTHOR: Popov, O. I.; Fedorova, Ye. O.

TITLE: Measurement of the radiation spectra of the atmosphere and of the earth's [illegible] micron region from altitudes [illegible]

SOURCE: [illegible]ptika i spektroskopiya, v. 18, no. [illegible], [illegible], [illegible]

TOPIC TAGS: earth radiation, infrared radiation, [illegible] atmosphere [illegible]

ABSTRACT: The authors report the results of a series of airborne measurements [illegible]

Card 1/3

L 36328-65
ACCESSION NR: AP5006442

spectra were calibrated in absolute units against unheated-black-body spectra recorded periodically during the course of the measurements. The black-body temperature was monitored with an electric thermometer. Type LI-2 airplanes were used for the flights. Typical plots of the signals at different altitudes are presented. The results show that the radiation of the earth's surface, observed [illegible] is close to a black-body radiation at the earth's temperature [illegible] ranges from 2 to [illegible]. Some irregularities are [illegible] the earth and its different [illegible] the airplane path. With increasing altitude, [illegible] from the earth's surface, in the regions of the CO_2 and H_2O absorption bands (in the [illegible] for these wavelengths, the earth's radiation [illegible] the atmospheric layer near the earth [illegible] from the cooler layers of the atmosphere [illegible]. The radiation of the atmosphere, on the other hand, is maximal in the absorption [illegible] and in the 4.0 to 4.7 [illegible] seasonal variation. Orig. art. has: [illegible] figures.

ASSOCIATION: none

Card 2/3

E.P. Fedorova

Journal of The American Ceramic Society June 1, 1954
Glass

3

(7)

Microhardness and coefficient of linear expansion of certain glasses of the type of porcelain glaze phases. A. I. Avgustinik and E. P. Fedorova. *Zhur. Prikhl. Khim.*, 26 [9] 925-30 (1953).—The glasses were made of (*a*) 50% feldspar and 50% quartz sand and (*b*) 90% feldspar and 10% kaolin; admixtures were CaO, ZrO_2, CaF_2, BaO, and Al_2O_3. There was a sharp increase in microhardness of the acid kaolin-quartz glass with the addition of CaO and BaO and of the alkaline feldspar-quartz glass with the addition of ZrO_2. Optimum concentration of CaO (2%) in acid glass and ZrO_2 (0.6%) in alkaline glass increases microhardness by 65% and 45%, respectively. In acid glass, 1% ZrO_2 increases microhardness by 25 to 30%. If the alkaline admixture cannot form a chemical compound in the alkaline glass, the coefficient of linear expansion increases 1.5 to 2 times; the coefficient remains practically the same and even decreases a little if the admixture can react chemically with the glass. Both ZrO_2 and Al_2O_3 are of practical importance in reducing the expansion coefficient. The dielectric losses of kaolin-quartz glass with various admixtures are held within the limits of 22 to 25 min., but for 1% CaO, a maximum appears in 27 min.
B.Z.K.

10-1-54

USSR

Fine structure of porcelain glasses by their infrared absorption and reflection spectra. A. I. Avgustinik, O. N. Serkina, and E. P. Fedorova (Lensovet Technol. Inst., Leningrad). *Zhur. Fiz. Khim.* 25, 637-42(1951); cf. Anderson (*C.A.* 44, 3683f).—The microhardness and infrared reflection spectra in the 8-15 μ region were measured of glasses (I) prepd. from kaolin, feldspar, SiO_2, Al_2O_3, CaO, ZrO_2, CaF_2, and BaO in various proportions. Data are graphed. Upon the formation in the I of Si—O—Al links a reflection band appears of wave no. between 1110 and 1000 cm.$^{-1}$, and the hardness increases for acid as well as basic I. Traces (around 1%) of ZrO_2 in acid or basic I promote organization and increase hardness. Amts. around 2% of CaO or CaF_2 added to acid I also promote formation of Si–O–Al links and raise the hardness. In basic I CaO, CaF_2, and Al_2O_3 lead to weakening, disintegration of structure, equalization of spectra, disappearance of intense bands, and decrease of hardness. J. W. Loweberg, Jr.

FEDOROVA, Ye.P., redaktor; KLEYMENOVA, K.F., redaktor; POLOSINA, A.S., tekhnicheskiy redaktor.

[Application of the rapid cutting of metals in large feeds; methods of the fast turners V.Kolesov and B.Unanov] Primenenie skorostnogo rezaniia metallov pri bol'shikh podachakh. Metody tokarei-skorostnikov V.Kolesova i B.Unanova. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1954. 26 p. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo neftyanoy promyshlennosti.
(Metal cutting)

FEDOROVA, YE. P.

7629. FEDOROVA, YE. P. -- Vysokoproizvoditel'noye sverleniye metallov. opyt raboty laureate stalinskoy premii sverlovshchika v. I. zhirova. M., gostoptekhizdat, 1955. 24 s. s ill. 20 sm. (byuro tekhn.--ekon. informatsii tsimtnefti. opyt novatorov--neftyanikov). 1.000 ekz. 60 k. -- na obl. avt. ne ukazany. -- (55-3207) P

621.95st & 621.95(47)(092 zhirov)

SO: Knizhnaya Letopsis', Vol. 7, 1955

FEDOROVA, Ye. P.

Significance of determination of the cholesterin esterification index for differential diagnosis of Botkin's disease and mechanical jaundice. Ter. arkh., Moskva 23 no. 6:34-43 Nov-Dec 1951.
(CIML 21:3)

1. Of the Institute of Therapy (Director — Prof. A. L. Myasnikov, Active Member of the Academy of Medical Sciences USSR) of the Academy of Medical Sciences USSR.

FEDOROVA, Ye.P.

"Combined method" for determining free and bound cholesterin in blood serum. Vop.med.khim. 4:107-111 '52. (MIRA 11:4)

1. Institut terapii AMN SSSR, Moskva.
(BLOOD--ANALYSIS AND CHEMISTRY) (CHOLESTEROL)

1. FEDOROVA, Ye. P.; OSTAPYUK, F. Ye.; ULIYANETSKAYA, P. C.

2. USSR (600)

4. Heart—Infarction

7. Pathogenesis of myocardial infarction in subacute bacterial endocarditis. Klin. med. 30 no. 12 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

FEDOROVA, Ye, P.

"The Clinical Importance of Determining the Chloresterol Esterification Index During Liver and Bile-Duct Diseases." Cand MedSci, Acad Med Sci USSR, Moscow, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions (12)
SO: Sum. No 556 24 Jun 55

FEDOROVA, Ye.P.

Normal blood pressure. Terap.arkh.27 no.3:3-14 '55. (MLRA 8:9)

1. Iz Instituta terapii (dir.-deystvitel'nyy chlen akademii meditsinskikh nauk SSSR prof. A.L. Myasnikov) Akademii meditsinskikh nauk SSSR.
(BLOOD PRESSURE,
normal standards)

FEDOROVA, Ye.P., dotsent

Conference on cardiology in Kislovodsk. Vop.kur.fizioter. i lech. fiz. kul't. 21 no.2:88-90 Ap-Je '56. (MLRA 9:9)
(CARDIOVASCULAR SYSTEM--DISEASES)
(PHYSICAL THERAPY)

FEDOROVA, Ye.P., dotsent

Immediate and late results of treatment in Kislovodsk of neurosis patients with cardiovascular manifestations. Uch.zap.Pyat.gos. nauch.-issl.bal'n.inst. 3:247-255 '60. (MIRA 15:10)
(NEUROSES)
(KISLOVODSK--HEALTH RESORTS, WATERING-PLACES, ETC.)
(CARDIOVSCULAR SYSTEM--DISEASES)

FEDOROVA, Ye.P., kand.med.nauk

Prolonged ascorbic acid therapy for patients with arteriosclerosis of the coronary vessels. Sov.med. 24 no.11:56-60 N '60. (MIRA 14:9)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L.Myasnikov) AMN SSSR.
(ASCORBIC ACID) (CORONARY HEART DISEASE)

FEDOROVA, Ye.P.

Immediate and late results of health resort treatment of hypertension at Kislovodsk. Trudy TSIU 72:123-130 '64. (MIRA 18:11)

1. Kafedra kurortnoy terapii (zav. prof. A.S. Vishnevskiy) TSentral'nogo instituta usovershenstvovaniya vrachey.

FEDOROVA, Ye.S.

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

Polydisperse analysis of the nickel catalyst. S. E. Kharin, E. S. Fedorova and N. P. Krivkina. *Colloid J.* (U. S. S. R.) [illegible]; *cf. C. A.* 32, 4411[6].—A polydisperse analysis of Ni and Cu-Ni catalysts was made at [illegible], by use of Stoke's law in combination with the formula of Kholodnyi: $d_s = d + c - (cd/d_1)$, where d_s, d and d_1 are densities of suspension, solvent and the dispersed phase (catalyst), resp., and c is concn. of the suspension in g./cc. S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

FEDOROVA, Ye. S.

Ca

28

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Physicochemical properties of colloids of the sugar industry. S. R. Kharin and E. S. Fedorova. *Colloid J.* (U. S. S. R.) 6, 839-46(1940); cf. C. A. 33, 2740.—Detns. were made of n and d.; n varied within very wide limits. The colloids were surface-active, but much less so than the usual albuminous substances. The colloids greatly increased the viscosity of the soln. even at low concns. A. A. Podgorny

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

FEDOROVA, Ye.S.

Increase in labor productivity in the steam power plant of the Andizhan Hydrolysis Plant. Gidroliz. i lesokhim. prom. 11 no.2: 23 '58. (MIRA 11:3)

1. Andizhanskiy gidrolizuyy zavod.
(Andizhan--Steam power plants)

NAZYROV, G.N.; VENGERSKAYA, Kh.Ya.; BOBOVNIKOV, B.M.; FEDOROVA, Ye.S.

Improve labor conditions in hydrolysis plants. Gidroliz. i lesokhim. prom. 14 no.5:16 '61. (MIRA 16:7)

1. Uzbekskiy nauchno-issledovatel'skiy sanitarnyy institut (for Nazyrov, Vengerskaya). 2. Andizhanskiy gidroliznyy zavod (for Bobovnikov, Fedorova).
(Hydrolysis)

FEDOROVA, Ye.V.

Phagocyte index is an index of the phasic nature of an infectious process. Pediatriia 38 no.12:33-35 '60. (MIRA 14:2)

1. Iz kafedry detskikh infektsionnykh bolezney (zav. - prof. D.D. Lebedev) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova (dir. M.G. Sirotkina)
(PHAGOCYTOSIS) (NERVOUS SYSTEM, AUTONOMIC)

FEDOROVA, Ye. V. Cand Med Sci -- "Phagocytic activity of blood leukocytes in certain infectious childhood diseases." Mos, 1961 (1st Mos Order of Lenin Med Inst im I. M. Sechenov). (KL, 4-61, 211)

ZHAKOV, S.I.; FEDOROVA, Ye.Ya.

Teaching climatology in a school course on the geography of the U.S.S.R. Geog. v shkole 23 no.5:37-41 S - O '60. (MIRA 13:9)

(Climatology--Study and teaching)

CHENKIN, Aleksey Frolovich; MAKAROVA, Inna Sergeyevna; FEDOROVA, Yu.A., red.; SHESHNEVA, E.A., tekhn. red.

[Manual on poisonous chemicals and apparatus used in controlling plant pests, plant diseases and weeds]Spravochnik po iadokhimikatam i apparature, primeniaemym v bor'be s vreditelliami, boleznami rastenii i sorniakami. Moskva, Izd-vo M-va sel'. khoz.RSFSR, 1962. 192 p. (MIRA 16:3)
(Agricultural chemicals)
(Spraying and dusting equipment)

ALESHIN, Ye.P., kand. biol. nauk; YARKIN, S.A.; SEMENENKO, A.N.; KIRICHENKO, K.S., kand. sel'khoz. nauk; CHURIKOV, I.I.; SAPELKIN, V.K.; RODIONOV, M.S.; RADIN, Yu.P.; FEDOROVA, Yu.A., red.; SAYTANIDI, L.D., tekhn. red.

[Growing rice on irrigated lands] Vozdelyvanie risa na oroshaemykh zemliakh. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1963. 101 p. (MIRA 16:12)
(Rice)

3C

L 23594-66 EWT(d)/EWT(m)/EWP(v)/EWP(k)/EWP(h)/EWP(l)
ACC NR: AP6002602 (A) SOURCE CODE: UR/0286/65/000/023/0098/0098

AUTHORS: Bogomolov, S. P.; Klemant'yev, V. G.; Estrin, M. I.; Loginov, Ye. A.; Kuz'min, G. I.; Zemzerov, S. N.; Gusev, A. I.; Fedorova, Ye. V.

ORG: none

TITLE: Machine for cutting joints in freshly laid concrete layers. Class 84, No. 176831

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 98

TOPIC TAGS: concrete, construction machine

ABSTRACT: This Author Certificate presents a machine for cutting joints in freshly laid concrete layers. The machine includes a frame mounted on travelling carriages movable along rails and vibro-knives for cutting longitudinal and transverse joints. To provide for possible cutting of joints in the protective covering of channels and applying film-forming materials on it, the vibro-knife for cutting transverse joints is mounted for possible motion along the frame. Discharge tanks and a gear pump are mounted on the frame and are connected by tubing to distributive nozzles and valves which are controlled by handles and a

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ACC NR: AP6002602

system of levers (see Fig. 1). To provide for operation on channels with

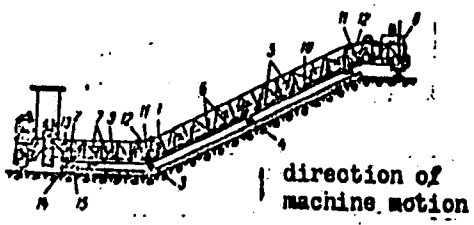

Fig. 1. 1 - frame; 2 - vibro-knife for cutting transverse joints; 3 - vibro-knife for cutting longitudinal joints; 4 - distributive nozzles; 5 - distributive nozzle valves; 6 - system of levers; 7 - discharge tank; 8 - horizontal truss of frame; 9 - inclined truss of frame; 10 - horizontal hinges; 11 - screw devices; 12 - working parts of vibro-knife for cutting transverse joints; 13 - vibro-knife support; 14 - cutting plates; 15 - vibration isolating plate.

differing slopes, the machine frame is made with horizontal and inclined trusses. The inclined truss is hinged to one of the travelling carriages and to the horizontal truss by horizontal hinges and screw devices. To provide for cutting of transverse joints of differing width and to reduce the vibration of the concrete during the joint cutting process, the vibro-knife for cutting transverse

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L 23594-66
ACC NR: AP6002602

joints is made with two working parts fastened to a support rotatable around a horizontal hinge. The support is mounted on a movable carriage. Each of the working parts of the vibro-knife consists of interconnected plates. The middle plate is vibration isolating and the outer plates are cutting (which vibrate depending on the direction of motion of the vibro-knife). To provide for precise setting of the machine at the location of the transverse joint, a limit switch is mounted on the machine frame. Orig. art. has: 1 diagram.

SUB CODE: 13/ SUBM DATE: 01Aug64

Card 3/3 BK

CHENKIN, Aleksey Frolovich; MAKAROVA, Inna Sergeyevna; FEDOROVA, Yu.A., red.

[Manual on poisonous chemicals and equipment used in the control of pests, plant diseases and weeds] Spravochnik po iadokhimikatam i apparature, primeniaemym v bor'be s vreditelami, boleznami rastenii i sorniakami. 2. dop. izd. Moskva, Rossel'khozizdat, 1965. 271 p. (MIRA 18:5)

LESYUK, Ye.A., kand. sel'khoz. nauk, nauchn. sotr.; KATSURA, O.P., kand. sel'khoz. nauk, nauchn. sotr.; KURSAKOVA, L.Ye., nauchn. sotr.; SMIRNOV, A G., nauchn. sotr.; KUZ'MIN, A.Ya., kand. sel'khoz. nauk, nauchn. sotr.; FEDOROVA, Yu.A., red.

[Key for the identification of fruit and berry varieties; manual of certification] Opredelitel' sortov plodovo-iagodnykh kul'tur; rukovodstvo po aprobatsii. Moskva, Rossel'khozizdat, 1965. 150 p. (MIRA 18:7)

KISELEV, N.A., inzh.; FEDOROVA, Yu.A., red.

[Safety manual for stokers of water-heating and steam boilers and operators of locomobiles. Pamiatka po tekhnike bezopasnosti dlia kochegarov vodogreinykh i parovykh kotlov i mashinistov lokomobilei. Moskva, Kommel'khozizdat, 1965. 46 p. (MIRA 18:9)

YUFEROV, Vasiliy Alekseyevich, kand. sel'khoz. nauk, st. nauchn. sotr.; FEDOROVA, Yu.A., red.

[Subsurface tillage] Bezotval'naia obrabotka pochvy. Moskva, Rossel'khozizdat, 1965. 85 p. (MIRA 19:1)

1. Sibirskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva (for Yuferov).

FEDOROVA, Yu.B.

Effect of ionizing radiation on the susceptability of animals to smallpox vaccine virus. Vop. virus 7 no.1:120 Ja-F '62. (MIRA 15:3)

1. Otdel radiatsionnoy mikrobiologii i immunologii Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR, Moskva.

(RADIATION—PHYSIOLOGICAL EFFECT)
(SMALLPOX)

FEDOROVA, Yu.B.

Effect of ionizing radiation on the immunity to smallpox vaccine. Vop. virus 7 no.1:120-121 Ja-F '62. (MIRA 15:3)

1. Otdel radiatsionnoy mikrobiologii i immunologii Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR, Moskva.

(RADIATION--PHYSIOLOGICAL EFFECT)
(SMALLPOX)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271(

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S/138/61/000/003/001/006
A051/A129

11.2211 also 2209

AUTHORS: Reykh, V. N.; Kalaus, A. Ye.; Boguslavskiy, D. B.; Opalev, A. I.; Dubovik, L. I.; Porodushkina, Kh. N., and Fedorova, Yu. I.

TITLE: Ternary copolymers of butadiene, styrene and 2-methyl-5-vinylpyridine

PERIODICAL: Kauchuk i rezina, no. 3, 1961, 2-8

TEXT: The technical properties, including wear-resistance, of butadiene-styrene polymers can be improved by introducing links containing functional groups into the polymer chain. The main shortcomings of the copolymers with 2-methyl-5-vinylpyridine are their poor compatibility with other polymers hampering the achievement of satisfactory tensility of the protector rubber bond with the breaker rubber and a high tendency of the mixtures based on double copolymers to scorching. The present article studies the initial materials and the technical properties of ternary copolymers, development of a formulation on its base and the results on industrial tests of protector rubbers of a new type. Ternary copolymers of butadiene, styrene and 2-methyl-

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